

### ABSTRACT

A motor includes a rotor equipped with a magnet magnetized in multiple poles, a stator yoke having claw poles with plural pole teeth disposed opposing to one another and arranged in a cylindrical shape extending in an axial direction and around an outer periphery of the rotor in a circumferential direction, a bobbin formed from a coil wound around the stator yoke, and a cylindrical motor case that houses the rotor, the stator yoke and the bobbin. The cylindrical motor case is formed from conductive material and uses as at least a part of the yoke. The motor case defines generally parallel planes tangential to an outer periphery of the coil, and has side wall sections extending in close proximity to the parallel planes and defining plane opening sections, and a part of an outer peripheral surface of the coil of the bobbin protrudes from the opening sections.